

Secondary Structure

Helix-1

Str-1

Str-2

Helix-2

Str-3

Helix-3

Str-4

Str-5 of CT-hairpin div

Helix-4

Str-5 of Helix-4 div

Helix-5 of Tad/AID/APOBEC

CDD_Hsnp_263657(PDB:1MQ0)

21

S Q E A K C S A Y C

6 V G A A A L L T Q

3 I T Y K G C N I E N

4 L G I C E R T A I Q A V S E

6 A I A T A A S

7 S C G A C G Q V M R E F L C T

N W P Y V M T K P 2

Y I V M T

127

CDD_Bsnp_80258(PDB:1UTK)

10

A L K A R D M A Y C

6 V G A A L L L T Q

4 M C N I E R T A I Q A V S E

6 A I A T A A S

6 S C G A C G Q V M R E F L C T

1 D V I V M T K P 2

O I K E M T

126

Pf10446_Pf104100304

138

A A R E A S S R A I

4 I G A A V A L T Q

3 I T Y S A V H I E A

2 L V L E R T A I Q A V S E

9 A L A A A S

7 F S C G S C G Q V M R E F L C T

1 D F P Y V L M N A 2

T E D T R

242

145258(PDB:2Z3J)

14

V T A T T I V S S D

4 I G A A V A L T Q

3 I T Y S A V H I E A

2 L V L E R T A I Q A V S E

9 A L A A A S

7 S C G S C G Q V M R E F L C T

1 D F P Y V L M N A 2

T E D T R

127

btr_Aber_461552

17

A T E K I T M L Y E

6 G A A A R T K T

3 I T Y S A V H I E A

4 V T V E R T A I Q A V S E

6 I T I V A V R

14 S C G S C G Q V M R E F L C T

2 C F V L I E M N I 1

K L V K T

128

Pf36.5940_Lmaj_15787776

418

K E C P T F F S N 2

5 V V T S L V T 4

7 F G I V A V N L E

4 G S R R E Q N A M A K L A S L

8 E V F W H G

9 F C G V G V D V T L M V F S

3 P R K I V F

599

VQEPUN_103900_MicP_226520855

397

V Q E M K N T V S

4 I G V K N T V S

3 I T Y S A V H I E A

2 L V L E R T A I Q A V S E

9 A L A A A S

7 S C G S C G Q V M R E F L C T

1 D F P Y V L M N A 2

T E D T R

242

Pfmar_PfMAR050400_Pmar_226520855

75

A N K L R E Y M E R

19 V L S M L H V R

7 F E E G I N G E V

4 G S L R E Q N A M A K L A S L

8 E V F W H G

9 F C G V G V D V T L M V F S

3 P R K I V F

599

PfITG_06599_Pfnt_262111987

17

L E G R R D Q H V T

9 V L A L F S Y E

7 F V I G A N A E C

4 G A T E R A A M A Q L L Q L

6 A I V I V S

6 T T G T L C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

131

Ehu010515200_Ehu

35

A H R V R D Q H V T

8 V V A V W Y E

7 H V I G N H D E

4 N S I E R A A V Q L C L M

6 A V I V S

6 T T G L C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

131

MaB189_Nmen_25460593

61

I G V K N T V S

4 I G V K N T V S

3 I T Y S A V H I E A

2 L V L E R T A I Q A V S E

9 A L A A A S

7 S C G S C G Q V M R E F L C T

1 D F P Y V L M N A 2

T E D T R

242

Pfma_3456_Psta_283781223

4862

T P W D T D H F R 2

0 G T V A F E I

3 K V F G V N S 2

A 2 S A L F E A H S L M R A F E K

7 D L T I Y V V

2 L I G P C G A L P L L M K

2 G I E R L K I V T 3

K R V G L S

500

HistH3K9me3_P348_01319_Etcol_309794139

14676

I Q I D R F R S K 1

7 G T V A F E I

3 K V F G V N S 2

A 2 S A L F E A H S L M R A F E K

7 D L T I Y V V

2 L I G P C G A L P L L M K

2 G I E R L K I V T 3

K R V G L S

1602

F23490_004580000_Pae_311312499

1007

F K A V A S S F A K

4 M D T L L E G R

2 T R S G Y K K R A 4

5 S A S A S E K O L M D I R E K

1 A I V V D R A

13 P I C E C C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

131

Pput_2613_Pput_148547830

740

S F S G S G K T -

- H N A I T A L T

4 V N K A T G I W Q 1

7 L A T E A R I T R E L S P Q

5 R L V I E G

2 P I N S C G K M N A V K

2 G A D V Y E R M A 6

E V M N A

852

TEQU1_0434_Tegu_31977868

1942

K F S N G R R P P

H K A T V T V T

4 V N K A T G I W Q 1

7 L A T E A R I T R E L S P Q

5 R L V I E G

2 P I N S C G K M N A V K

2 G A D V Y E R M A 6

E V M N A

2054

PM07071_02424_Pmar_140179963

10471

V A S S E G S

H Y E M E L R

4 K L A R D I R T 1

7 W Y S E K I T S D L Y O S

7 F L N D G

2 A I G C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

10580

NAEGDRRAFT_51788_Nrup_290891146

707

E V E L L K W E M

7 P G V S N D I R

4 K L A R D I R T 1

7 W Y S E K I T S D L Y O S

7 F L N D G

2 A I G C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

850

IG120230_Atha_15223802

609

E D S I R N K M E

7 P G C S S I Q V

6 L L A G D K S H P 4

0 L W G E K A L A V Y F G L L N

8 V I K N L -

R I G D C G A V K F I S S

4 E I F I R D T N

- R F H F K

750

PSPPH_2615_Psyr_71734831

274

A S C A R A D L P Q

5 V K T V S S N D

2 I L S D G K K K 3

6 F S S E K O M S T A S P N H

P I G W S K

P M C P D C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

131

A R V K C 602

602

A R V K C 602

A R V K C 602

A R V K C 602

A R V K C 602

A R V K C 602

A R V K C 602

A R V K C 602

A R V K C 602

A R V K C 602

398

AcceDRAFT_3276_Ace_302341425

200

A Y T R A D T I I K

4 K C G V A S N G

2 T L S G D F G K T 4

2 F A C H E K O L S L L T D R

- P I G S K

P M C P D C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

398

BACDOR_01063_Bdor_212691568

205

R A E D I A K L L P

4 G R T V S S D G

2 T L S G Y K K R A 4

5 S A S A S E K O L M D I R E K

1 A I V V D R A

13 P I C E C C G Q V M

PfITG_05529_Pfnt_301117730

62

S K S A S S F A K

4 M D T L L E G R

2 T R S G Y K K R A 4

5 S A S A S E K O L M D I R E K

1 A I V V D R A

13 P I C E C C G Q V M

ANP87.1.2_Anth_67526827

2397

D L M Q G V A D L R

1 3 G V A Q D I S P

5 M A A S S Q I P D 3

4 R R V C E K A I L N N I A I N Q

1 0 I N L T E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

3141

BURP5668_1122_Bspe_124639023

2964

S S L G K I D Q L R

1 1 A F A E Y N I

3 I G E L V G I S Q D 3

8 R M M V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

3689

ALTAESR_Nmen_224022381

637

A L T A E S R N M E

7 P G V S N D I R

4 K L A R D I R T 1

7 W Y S E K I T S D L Y O S

7 F L N D G

2 A I G C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

494

PSPAT_3257_Pae_152947428

67

P S N A A K L L E

6 T T A R F E Y S

9 R Y N V A S M Q G 4

9 R Q A E K A L N A L N L Q

1 1 L T G I S

1 A E S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

383

YwJ_Bsnp_16808672

466

L S R I A K S G L T

5 P A V A G V L D

5 Y F F G N I N D 3

1 A G S E K O M S T A S P N H

P I G W S K

P M C P D C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

223

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

EcColi_010100026429_Ecol_307224485

1307

T T V G S P D Y L S

5 P V L T L G V K D

5 I L T L N H S D 2

4 5 G I S E K O M S T A S P N H

P I G W S K

P M C P D C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

1426

TCC6_Plum_37528020

816

K S L G K G K E L P

5 P D N P E Y H K

6 F I S G E S A Y 3

2 A G L E V Q A M A N F R I K 2

5 I F T E R L

9 T I N S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

962

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

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137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

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LMHC_1757_Lmon_217965034

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

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LMHC_1757_Lmon_217965034

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

LMHC_1757_Lmon_217965034

137

K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

639

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K F K N K L D M L R

1 4 A V A D V R I

5 F L A H S K I H G 2

9 R Y R V K I L E I A I N Q

8 L H L E S E

1 P I P S C G Q V M R E F L S P L

3 I T P V S R A T

K C H P V C

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